AMENDMENTS TO THE SPECIFICATION

Please amend the specification of the present application by substituting the following paragraphs for the below identified paragraphs:

Please amend the paragraph beginning on page 24, line 16 as follows:

Frame configuration determination section 1601 determines the modulation system of a transmission digital signal based on the communication situation and outputs a signal indicating the determined modulation system to quadrature baseband modulation section 102. Also, when the determined modulation system uses 8 or more values, frame configuration determination section 1601 determines the interval of inserting a pilot symbol based on the communication situation and outputs a signal indicating the determined interval of inserting the pilot symbol to frame configuration section 104. Also, when the determined modulation system uses 8 fewer less than 8 values, frame configuration determination section 1601 outputs a signal giving an instruction for stopping the generation of pilot symbols to pilot symbol generation section 103.

Please amend the paragraph beginning on page 28, line 3 as follows:

Then, frame configuration determination section 1601 outputs the signals indicating the determined modulation system to quadrature baseband modulation section 102. Also, when the determined modulation system uses 8 or more values, frame configuration determination section 1601determines the interval of inserting BPSK modulation symbols based on the communication situation and outputs a signal indicting the determined interval of inserting the BPSK modulation symbols to BPSK symbols modulation section 602 and frame configuration section 104. Further more when the determined modulation system is 8 fewer less than 8 values, frame configuration determination section 1601 outputs a signal giving an instruction for stopping the generation of BPSK modulation symbols to BPSK symbol modulation section 602.

Please amend the paragraph beginning on page 29, line 21 as follows:

Then, frame configuration determination section 1601 outputs a signal indicating the determined modulation system to quadrature baseband modulation section 102. Also, when the determined modulation system uses 8 or more values, frame configuration determination section 1601 determines the interval of inserting QPSK modulation symbols based on the communication situation and outputs a signal indicating the determined interval of inserting the QPSK symbols to QPSK symbol modulation section 1102 and frame configuration section 104. Also, when the determined modulation system is 8 fewer less than 8 values, frame configuration determination section 1601 outputs a signal giving an instruction for stopping the generation of QPSKA modulation symbols to QPSK symbol modulation section 1102.